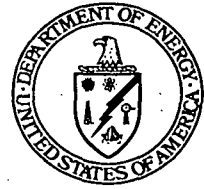




## Department of Energy

Ohio Field Office  
Fernald Area Office  
P. O. Box 538705  
Cincinnati, Ohio 45253-8705  
(513) 648-3155



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16 JAN 2002

Mr. James A. Saric, Remedial Project Manager  
United States Environmental Protection Agency  
77 West Jackson Boulevard – Region V, SRF-5J  
Chicago, IL 60604-3590

DOE-0246-02

Mr. Tom Schneider, Project Manager  
Ohio Environmental Protection Agency  
401 East 5<sup>th</sup> Street  
Dayton, OH 45402-2911

Dear Mr. Saric and Mr. Schneider:

### **RESPONSES TO THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY COMMENTS ON THE PROJECT SPECIFIC PLAN FOR THE INSTALLATION OF EXTRACTION WELLS 33061, 33062, 33063 AND MONITORING WELL 63064**

The purpose of this letter is to transmit responses to the United States Environmental Protection Agency (USEPA) comments on the Project Specific Plan (PSP) for the installation of groundwater extraction wells 33061, 33062, and 33063 and monitoring well 63064. These extraction wells represent the scope of the Phase I Waste Storage Area Extraction module and a supplemental South Field extraction well. The draft PSP was submitted to you on May 15, 2001. Unfortunately, the draft responses to these comments were not sent to you in June, 2001 when they had been prepared. Ohio Environmental Protection Agency (OEPA) had, however, provided a conditional approval on the subject PSP on May 21, 2001, citing their condition of approval to be dependent on the Fernald Environmental Management Project's (FEMP) proper handling of stormwater runoff and preservation of the associated forest canopy to the maximum extent.

Perhaps adding to the confusion, the Pilot Plant Drainage Ditch Pump Test Report was submitted to you on April 3, 2001; while, the preliminary design for this Phase I Waste Storage Area Extraction module and the supplemental South Field extraction well was submitted to you on April 20, 2001. We received USEPA comments on the preliminary design on May 29, 2001 and OEPA comments on June 1, 2001. Responses to these comments were submitted to you on June 26, 2001. Furthermore, on July 8, 2001, USEPA approved the Response-to-Comments to the design, while OEPA approved the

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16 JAN 2002

Mr. James A. Saric  
Mr. Tom Schneider


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DOE-0246-02

design on September 4, 2001. OEPA's only stipulation was a request to receive the revised drawings and specifications. Currently, as you are aware from the weekly conference calls, the extraction wells of the Waste Storage Area, Phase I System and the supplemental South Field extraction well are all installed and the associated piping, well house infrastructure, and electrical hook-ups are nearly completed. The only outstanding item involves the delivery of the four well pumps and motors. Hopefully, the system will be fully constructed and up and running by the middle to end of February 2002. The only remaining action item, transmittal of the revised drawings and specifications as requested by the OEPA, will be completed by June 2002. In this submittal, the final drawings (Construction As-Built) will be provided along with the final specifications.

If you should have any questions, please contact Robert Janke at (513) 648-3124.

Sincerely,



FEMP:R.J. Janke

Johnny W. Reising  
Fernald Remedial Action  
Project Manager

Enclosures: As Stated

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Mr. James A. Saric  
Mr. Tom Schneider

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16 JAN 2002

DOE-0246-02

cc w/enclosures:

R. Greenbertg, EM-31/CLOV  
R. J. Janke, OH/FEMP  
K. Nickel, OH/FEMP  
G. Jablonowski, USEPA-V, SRF-5J  
T. Schneider, OEPA-Dayton (three copies of enclosures)  
F. Bell, ATSDR  
F. Hodge, Tetra Tech  
M. Schupe, HSI GeoTrans  
R. Vandegrift, ODH  
AR Coordinator, Fluor Fernald, Inc./MS78

cc w/o enclosures:

N. Hallein, EM-31/CLOV  
A. Tanner, OH/FEMP  
D. Brettschneider, Fluor Fernald, Inc./MS52-5  
D. Carr, Fluor Fernald, Inc./MS2  
J. D. Chiou, Fluor Fernald, Inc./MS64  
M. Frank, Fluor Fernald, Inc./MS90  
T. Hagen, Fluor Fernald, Inc./MS65-2  
W. Hertel, Fluor Fernald, Inc./MS52-5  
S. Hinnefeld, Fluor Fernald, Inc./MS52-2  
M. Jewett, Fluor Fernald, Inc./MS52-2  
T. Walsh, Fluor Fernald, Inc./MS46  
ECDC, Fluor Fernald, Inc./MS52-7

**RESPONSES TO U.S. EPA COMMENTS ON THE  
PROJECT SPECIFIC PLAN FOR THE INSTALLATION OF  
EXTRACTION WELLS 33061, 33062, 33063  
AND MONITORING WELL 63064**

**FERNALD ENVIRONMENTAL MANAGEMENT PROJECT  
FERNALD, OHIO**

**JUNE 2001**

**U.S. DEPARTMENT OF ENERGY**

RESPONSES TO U.S. EPA COMMENTS ON THE  
PROJECT SPECIFIC PLAN FOR THE INSTALLATION OF  
EXTRACTION WELLS 33061, 33062, 33063  
AND MONITORING WELL 63064

1. Commenting Organization: U.S. EPA                      Commentor: Saric  
Section#: 3.1.2                      Pg.#: 6                      Line#: NA                      Code: C  
Original Specific Comment #: 1  
Comment: The text states that the presence of the blue clay layer will determine the length and slot size of the well screen. However, the impact of the presence of the blue clay on the well screen design is not described. The text should be revised to describe the impact of the presence of the blue clay on the well screen design.  
Response: The presence of the blue clay layer was one of four criteria presented for determining the length of the well screen. Presence of the blue clay establishes a lower limit for the well screen. A well screen will not be set across the blue clay as this would compromise the clay as a protective barrier to the lower reaches of the Great Miami Aquifer.  
Action: No action required.
2. Commenting Organization: U.S. EPA                      Commentor: Saric  
Section#: 3.1.2                      Pg.#: 7                      Line#: NA                      Code: C  
Original Specific Comment #: 2  
Comment: The text states that the thickness of the artificial filter pack will equal one-half the thickness of the well screen. The text should be revised to state that the thickness of the artificial filter pack will equal on-half the length of the well screen.  
Response: Length is the subject dimension that is being described, not thickness. The well installation will have a filter pack sand that will extend above the well screen a length that is equal to half the length of the well screen.  
Action: As described in the response.
3. Commenting Organization: U.S. EPA                      Commentor: Saric  
Section#: 3.1.2                      Pg.#: 7                      Line#: NA                      Code: C  
Original Specific Comment #: 3  
Comment: The text states that an artificial filter pack and transition sands will be installed. However, the text does not specify the types of sands to be used or whether they will be selected based on sieve analysis results. The text should be revised to clarify the sand selection method or to specify the types of filter pack and transition sands to be used.  
Response: The types of sands used in the installation will be selected based on sieve results, as described on page 5 of the PSP.  
Action: No action required.